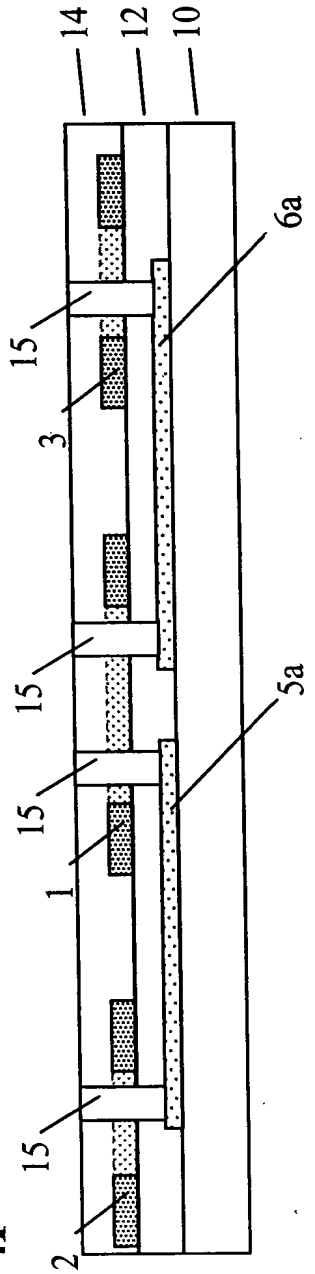

Figure 4F

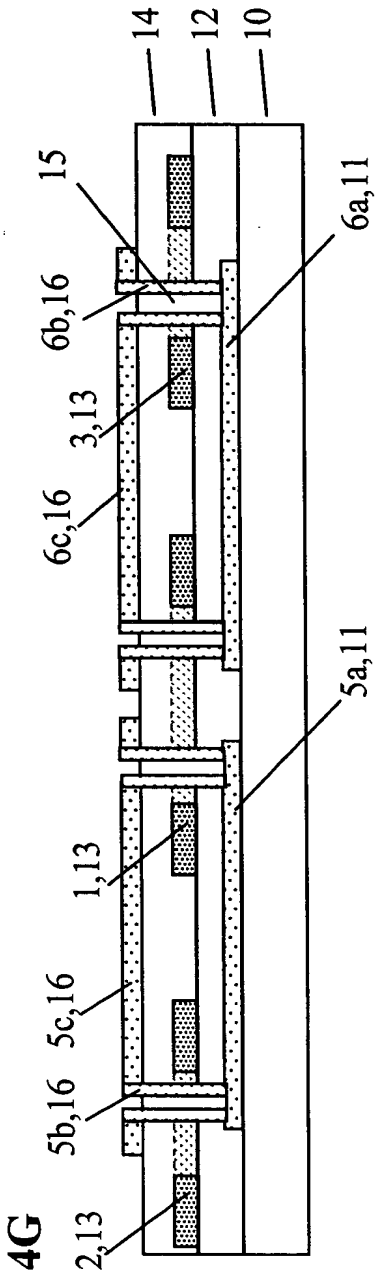

Figure 4G

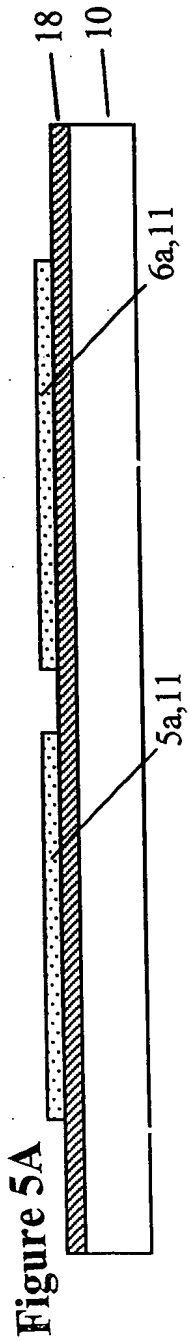

Figure 5A

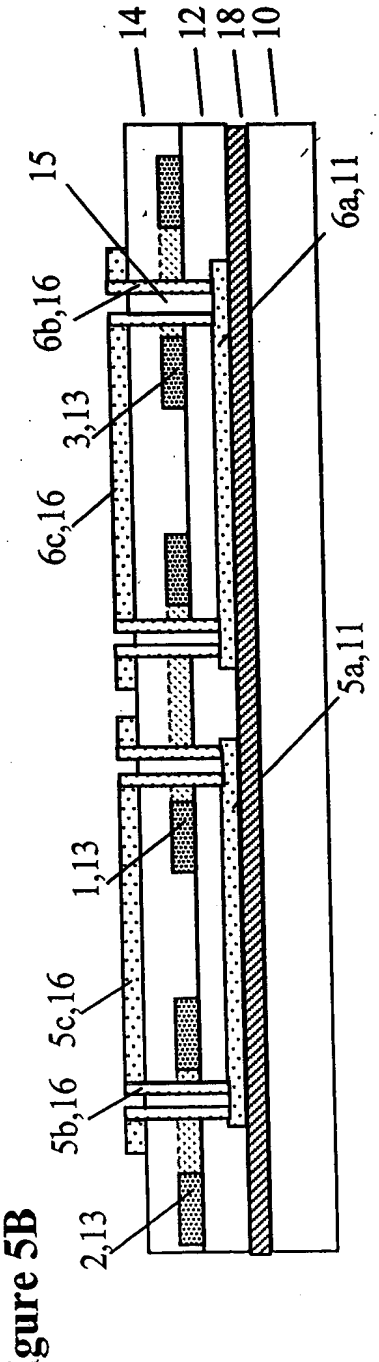

Figure 5B

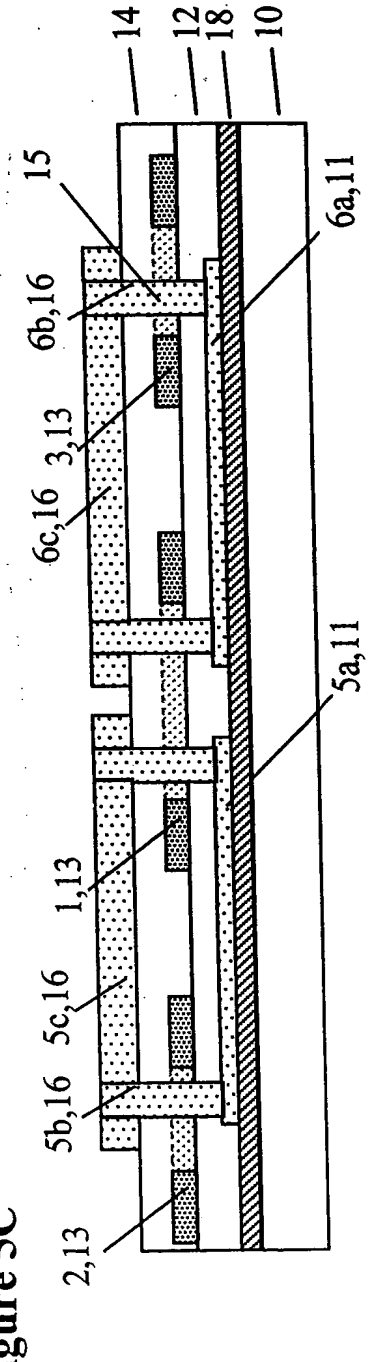

Figure 5C

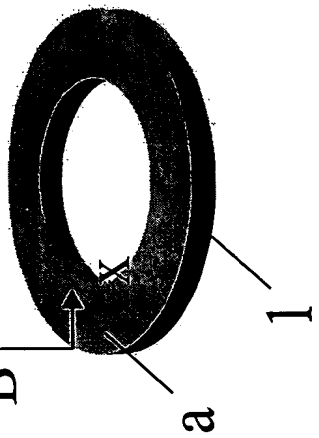

Figure 1A

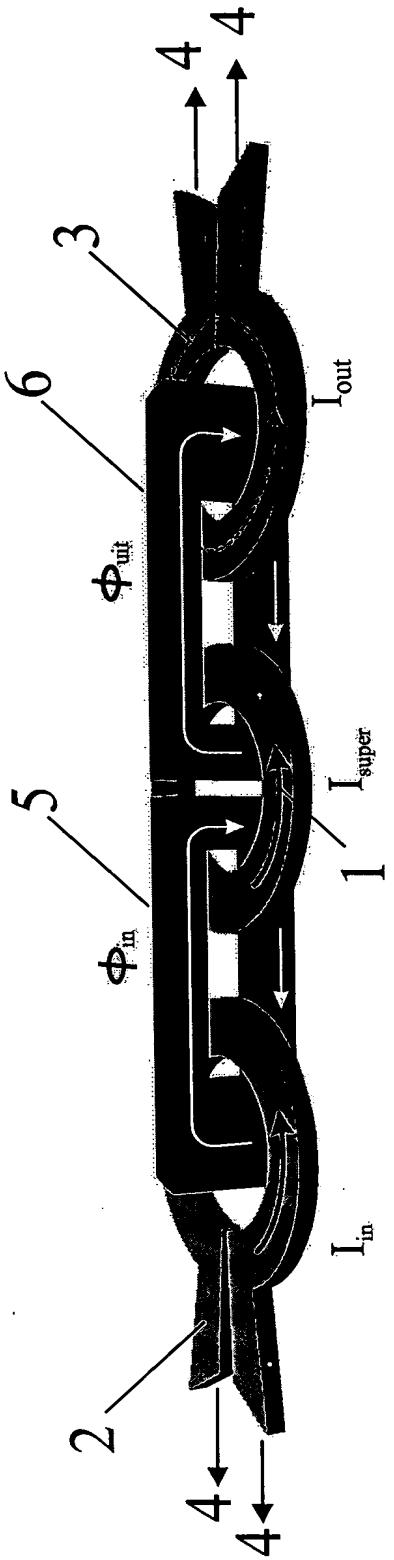

Figure 1B

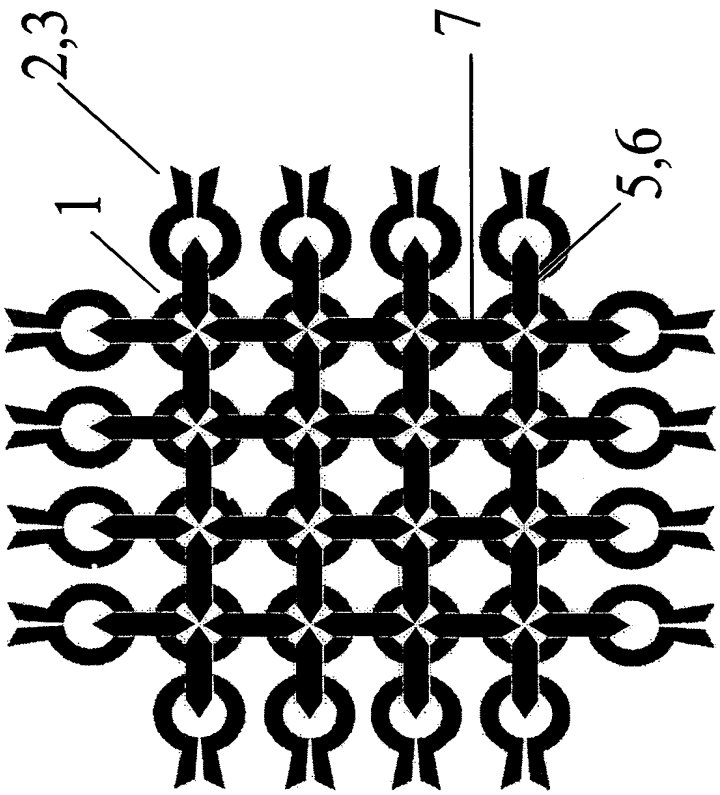

Figure 1C

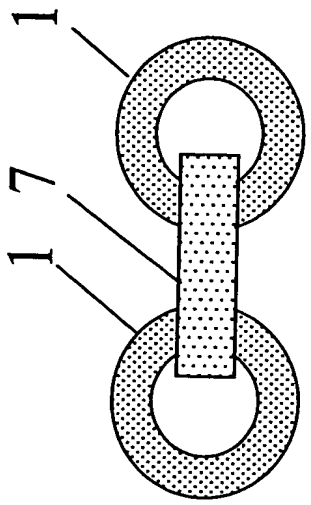

Figure 1D

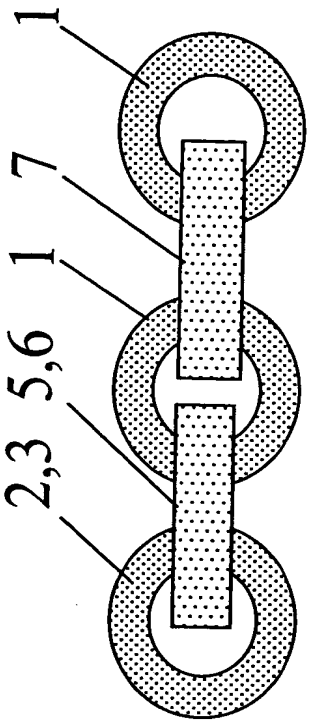

Figure 1E

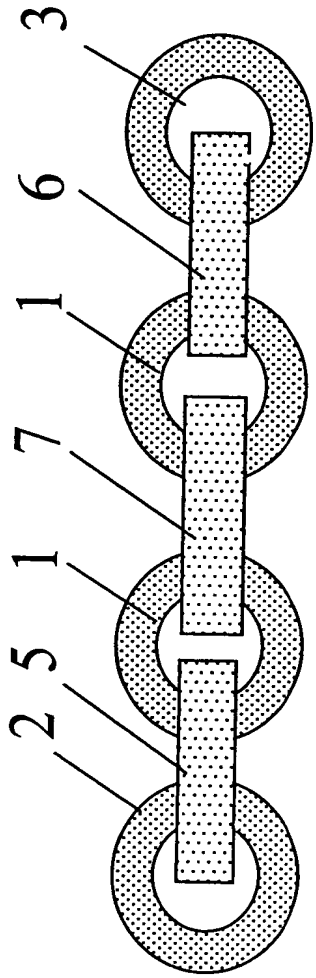

Figure 1F

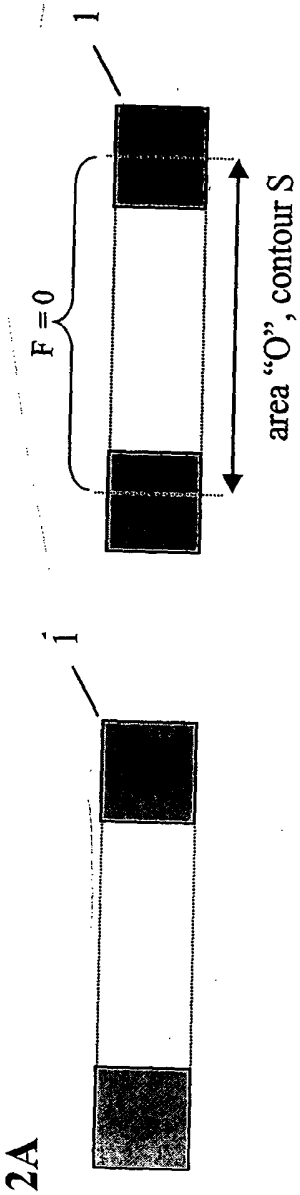

Figure 2A

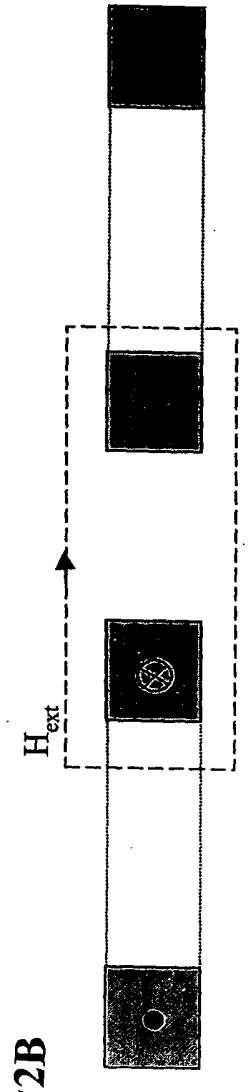

Figure 2B

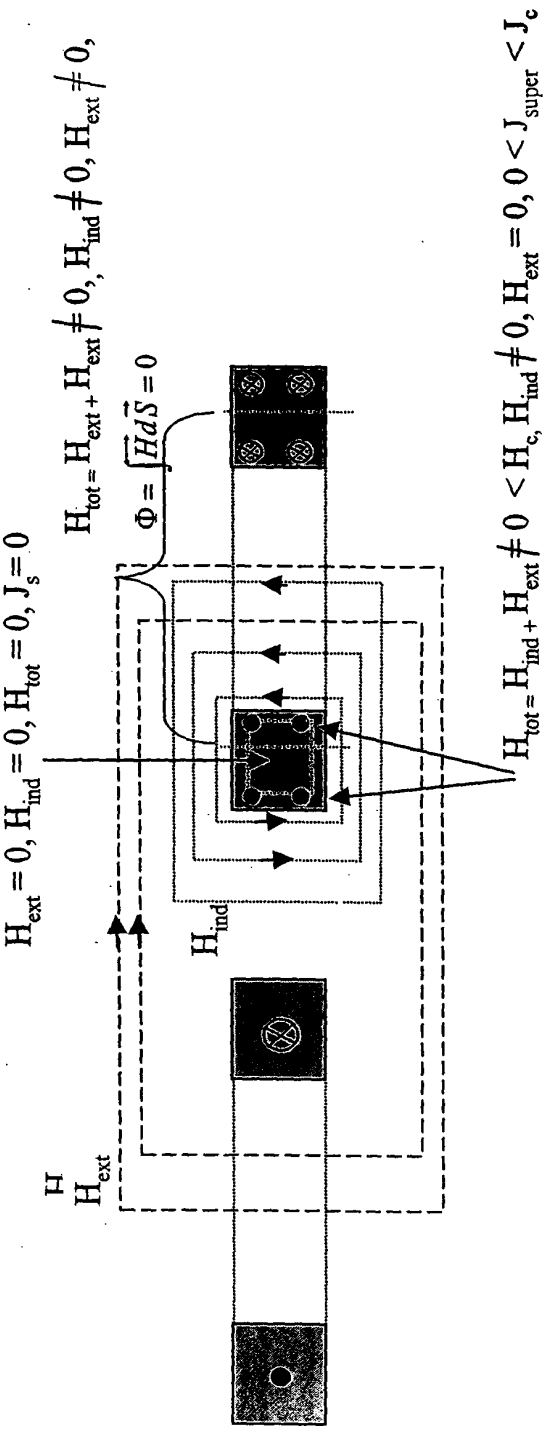
$H_{ext} = 0, H_{ind} = 0, H_{tot} = 0, J_s = 0$
$H_{tot} = H_{ext} + H_{ext} \neq 0, H_{ind} \neq 0, H_{ext} \neq 0,$
$\Phi = \int \vec{H} d\vec{S} = 0$
$H_{tot} = H_{ind} + H_{ext} \neq 0 < H_c, H_{ind} \neq 0, H_{ext} = 0, 0 < J_{super} < J_c$
H_{ind}
H_{ext}

Figure 2C

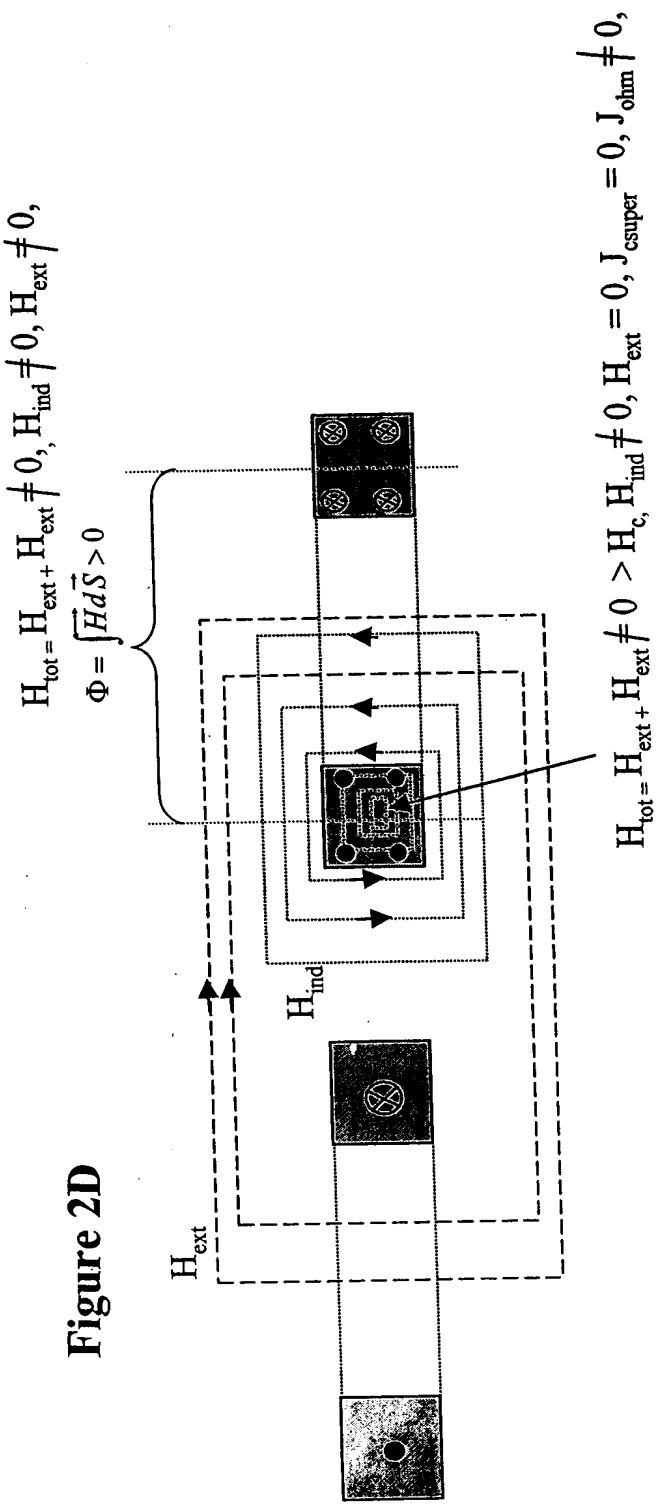
$H_{tot} = H_{ext} + H_{ext} \neq 0, H_{ind} \neq 0, H_{ext} \neq 0,$
$\Phi = \int \vec{H} d\vec{S} > 0$
$H_{tot} = H_{ext} + H_{ext} \neq 0 > H_c, H_{ind} \neq 0, H_{ext} = 0, J_{csuper} = 0, J_{ohm} \neq 0,$
H_{ind}
H_{ext}

Figure 2D

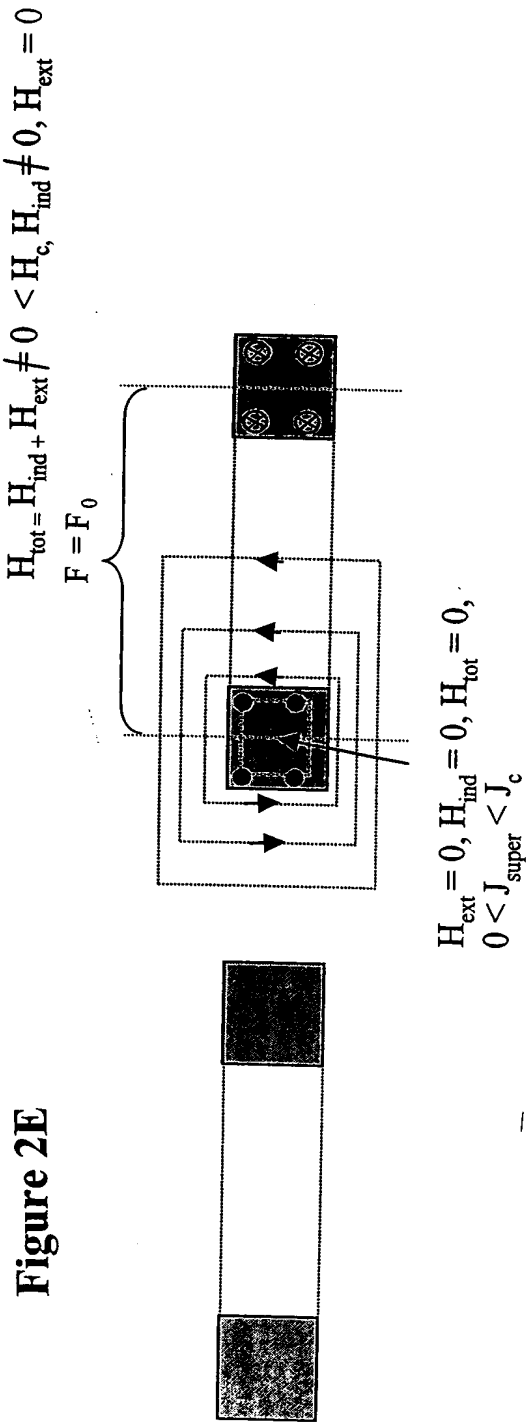
$H_{tot} = H_{ind} + H_{ext} \neq 0 < H_c, H_{ind} \neq 0, H_{ext} = 0$
$F = F_0$
$H_{ext} = 0, H_{ind} = 0, H_{tot} = 0,$
$0 < J_{super} < J_c$

Figure 2E

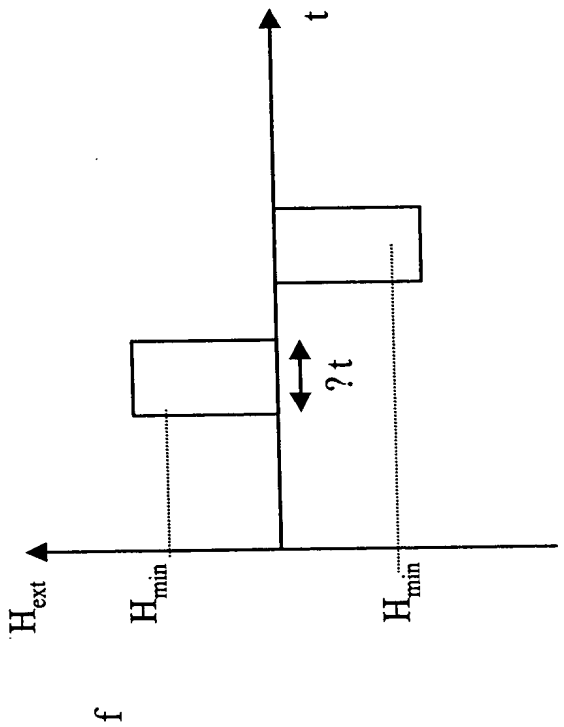

Figure 2F

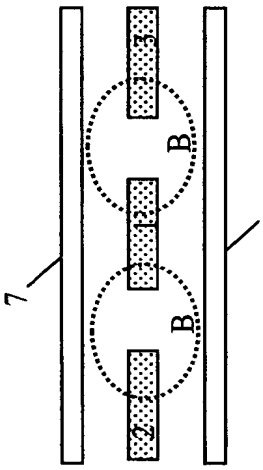

Figure 3A

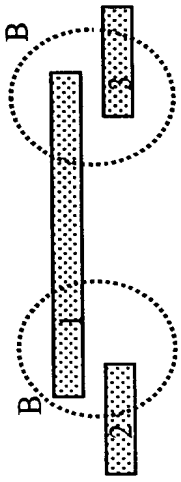

Figure 3B

Figure 4A

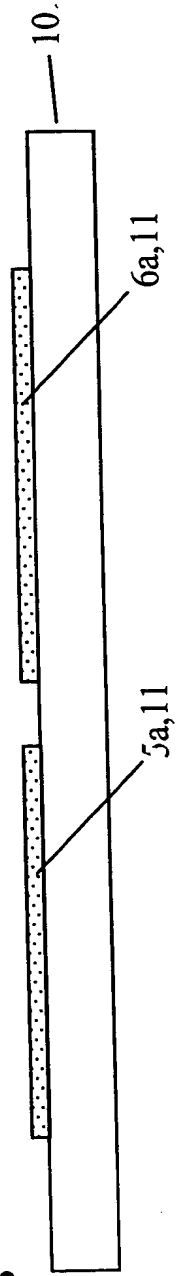

Figure 4B

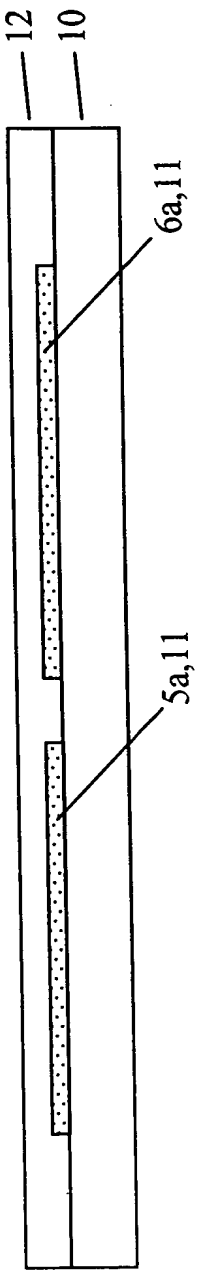

Figure 4C

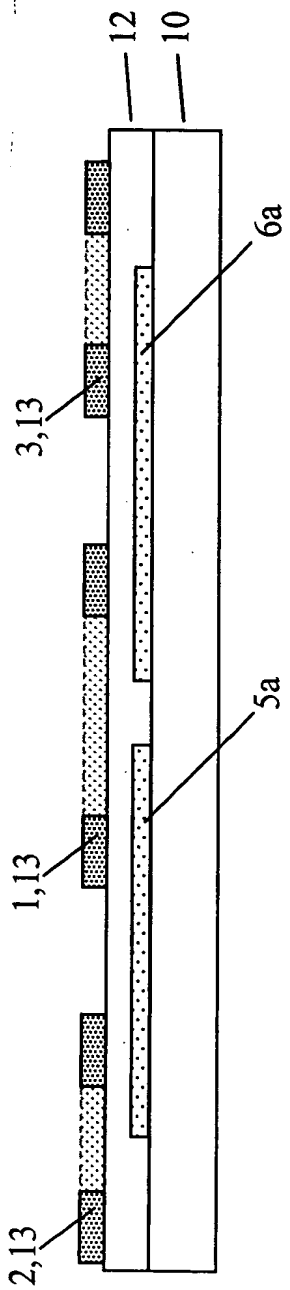

Figure 4D

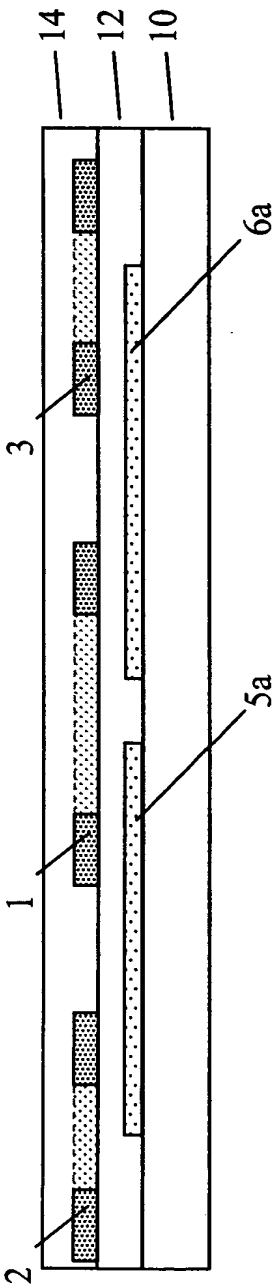

Figure 4E